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Quick Start Guide

Chroma-Q®

FxForce IR 12™



Chroma-Q®
BRILLIANT SOLUTIONS

For a full product manual please visit www.chroma-q.com
Part Number: CHFXIR12, CHFXIR12W
Model: 652-1150, 652-1650, 652-1250/
641-4000, 641-4100, 641-4500 / 641-5000, 641-5100, 641-5500
Software version 2.1

1. Overview

The new Chroma-Q® FxForce IR 12 is an Infra-red lighting fixture which utilises the same core innovative LED technologies found in the Color Force™ range to provide a brilliant IR light ideal for infrared filming and night mode video. The fixture features 2 light engines with 24 infrared LEDs each for a total of 48 LEDs. Built with an internal power supply, the fixture can operate as a stand-alone unit or be remotely controlled through ANSI E1.11 USITT DMX 512-A protocol.

2. Safety



1. This product is for professional use only. It is NOT intended for domestic or outdoor use.
2. This product must be used with safety cable.

Caution

3. Cabling

Power input & through connections are via powerCon connectors. DMX control data input & through connections from an external control console are via 2 XLR 5-pin connectors. The chassis are ground bonded.

Note: The maximum number of fixtures running off a single power input cable is 10 at 120V AC or 20 at 240V AC. Please refer to ANSI & AWG standards for the maximum data & power cable lengths.

4. Mounting

The fixture is built with an adjustable yoke for floor, wall & truss mounting applications. Use the quick release fixing for easy tilt adjustment. Secure the fixture with a safety bond through the fixing hold that is built into the end plate of the fixture.

5. Optical Accessories

2 accessory slots & a swivel plate are included at the front & side of the fixture to hold & lock these slide-in accessories.

6. Control

The control functions are accessed through the LCD display at the rear of the fixture with 4 push buttons.



Control Menu

1. From the Main Menu, press the Up or Down buttons to scroll through the control menu options.
2. Press the Enter button to select a control menu option.
3. Use the Up and Down buttons to scroll through the settings available.
4. Press the Enter button for 2 seconds to select and save a setting.

The screen goes back to the Main Menu.

The Exit button can be pressed at any time and the screen goes back to the previous menu.

Main Menu / DMX Address

On power-up and home position, the LCD display shows the Main Menu screen with the model name, software version, the DMX address, current assigned mode and the number of assigned channels.

To set the DMX start address,

Press Enter from the Main Menu, use the Up/Down buttons to adjust the DMX start address and then press Enter for 2 seconds to save.

Control Mode

The fixture can be set to operate in 2 DMX controlled modes and 3 standalone modes.

Mode	Name	Ch	Description
1	Dim1x	1	All LEDs
11	Look sel	1	Look Select
12	Mastr StndAlon		Standalone Master
13	Slave StndAlon		Standalone Master
	Manual		Manual

Manual:

In this mode, the intensity level “Intensity” can be set and adjusted in standalone operation.

To adjust the Intensity levels,

1. In Manual mode, press Enter once, “00%” level will flash.
2. Press Up or Down to adjust the value.
3. Press Enter for 2 seconds to save.

The display goes back to the Main Menu.

When DMX is Lost

If DMX is not detected various output options can be selected:

Off	will snap to off
Hold	will hold the last valid DMX state
Look 01-31	Look 1-31 will snap to the Look of your choice.

Look Store

In this mode 31 Looks can be stored and replayed in standalone operation.

To replay a Look in stand-alone operation, go to Look Store, then scroll and select the desired Look number.

To replay a Look with a DMX console, go to Look sel, then use the DMX console with the assigned channel to playback the various looks stored. Note: DMX has priority over internal Looks.

Looks can be recorded to the internal flash memory by users & will be preserved on power down. Looks will be returned to default settings upon reset. There are two ways to record a look: Simple, with DMX console & Advanced, stand-alone. (DMX is unplugged): refer to user manual for control details.

Technical

In this mode, Frequency settings of the fixture can be changed and software updates for the LED engines can be uploaded. Frequency options: 600, 1200, 2400, 4800.

Fan Speed

In this mode, Fan Speed options can be changed to the following options:

Live	High velocity
Live when Light	Live mode is activated when the fixture LEDs are on
Studio	Low velocity
Quiet	Off

Reset to Default

Reset the fixture to factory default settings:

DMX address	001
Control Mode	Dim1x
When DMX is Lost	Hold
Looks	01
Frequency	600
Fan Speed	Live

Further Information

Please refer to the Chroma-Q Studio Force II™ manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – <http://www.chroma-q.com/support/downloads.asp>